Radio H.F. Internet Newsletter

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Welcome to the May 2013 edition of the Radio H.F. Internet Newsletter.

Bienvenue a l'édition de mai 2013 de "Radio H.F. Internet Newsletter".

Sheldon Harvey
Owner, Radio H.F.
Editor/Publisher, Radio H.F. Internet Newsletter

RADIO H.F.

Canada's specialist in shortwave, scanning, amateur radio, antennas, accessories and publications since 1995, brings this newsletter to you, free of charge. Contact Radio H.F. at:

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Monday to Saturday, 10 AM to 5 PM (Eastern)
CLOSED Sunday

Please note that Radio HF does not operate a storefront. It is a mail-order and on-line business. Radio HF also participates in numerous amateur radio fleamarkets and hamfests in Quebec and eastern Ontario every year. For a list of upcoming events please see the Hamfest & Fleamarket Zone in this Newsletter.

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THE RADIO H.F. INTERNET NEWSLETTER
VOLUME 15 NUMBER 005 MAY/MAI 2013

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Please visit the Radio HF web page at: http://www.radiohf.ca

Previous issues of this newsletter, from February 1999 to April 2005, may be found at the following URL:
http://www.cidx.ca/radiohf/index.html

Subsequent editions, including the most recent, may be found at:
THE RADIO H.F. INTERNET NEWSLETTER YAHOO GROUP
http://groups.yahoo.com/group/hfnewsletter/

Radio HF subscribers are encouraged to send along your favourite web sites for inclusion in future editions of this free newsletter. All contributors whose sites are used in the Radio H.F. Internet Newsletter will receive a 2% discount on their next purchase from Radio H.F. The e-mail address for all contributions, comments, and subscription requests for the Newsletter is:

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DISCLAIMER: The contents of web sites featured in this newsletter do not necessarily represent those of the editor, or the contributor, unless specifically noted.

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Welcome to the May 2013 edition of the Radio HF Internet Newsletter and a Happy Mother's Day on May 12th to all the mothers out there.

Well, look at this. I seem to finally be back on schedule with this month's Newsletter being ready for distribution on the 1st of the month. Let's see how long I can keep that up!

I'd like to begin this month's edition by bringing your attention to a message from a long-time subscriber to this Newsletter, Mr. Brian Jeffrey, VE3UU, of Carp, Ontario. It is an open message to all Radio HF Internet Newsletter subscribers. It appears in the Comments Zone below.

As you know, I approach all subscribers each year, asking for pledges and support for a cause that my wife and I participate in each yearthe Baillie Birdathon, organized by Bird Studies Canada. You will have received a separate e-mail detailing the event.

Unfortunately, the response I receive annually from subscribers is very low in comparison to the number of individuals who receive this free Newsletter every month. I mentioned this to Brian, who has supported our efforts with a donation each year for many years now. In hearing this he decided to write this unsolicited appeal to all Radio HF Internet Newsletter subscribers. I thank him greatly for his continued support.

If you would like to help out our cause you can donate whatever amount possible directly through our 2013 Baillie Birdathon webpage. It's really easy. Just go to

http://tinyurl.com/d32f4se

click on the "Give Now" box and follow the instructions.

Our goal for 2013 is $2000, so every pledge helps, no matter how large or small. Your support of our annual Birdathon event is greatly appreciated, by us and the birds!

Our Monthly Special Zone for May features webpages on World Press Freedom Day, Cinco de Mayo, Armed Forces Day, Day for Biological Diversity, National Maritime Day, U.N. International Peacekeepers Day and Migratory Bird Day.

This month's virtual voyage around the world, in the "Where in the World Zone", takes us to Europe to the country of Bulgaria. Officially the Republic of Bulgaria, it is a country located in Southeastern Europe. It is bordered by Romania to the north, Serbia and Macedonia to the west, Greece and Turkey to the south and the Black Sea to the east. With a territory of 110,994 square kilometres (42,855 sq mi), Bulgaria is Europe's 14th-largest country. Its location has made it a historical crossroad for various civilizations and as such it is the home of some of the earliest metalworking, religious and other cultural artifacts in the world.

So, let's get on to this month's websites.

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THE COMMENTS ZONE

An open letter to fellow HF Radio Newsletter subscribers.
Via Brian Jeffrey, Carp, Ontario
I don't know about you but the arrival of HF Radio newsletter each month is a welcomed diversion everyday life and something that I always take the time to browse through at my leisure. To me, it's like having an old friend who freely gives me ideas and makes suggestions of interesting topics to track down on the Internet. While not everything appeals, I never fail to find something of interest or of value in every issue. And it's all for free.
Well, not quite free because I'm one of those subscribers who very much appreciate the time and energy that Sheldon puts into the newsletter so I give him $20 each year to support one of his personal interests, the Baillie Birdathon. In my mind, it's a small price to pay for the value received.
What is Sheldon's efforts worth to you? $2, $5, $10, nothing? May I suggest that if you find Sheldon's efforts of some value that you consider supporting something that Sheldon considers of value, the Baillie Birdathon for bird protection, habitat protection and restoration, and bird research in Canada.
Thanks for taking the time to read this.
Brian Jeffrey
Brian@...

THE CONTRIBUTORS ZONE

Well, we have hit rock bottom! For the first time in well over a decade we have just one other contributors other than me this month and that is Jerry Proc with one contribution. Given the lack of input over the past number of months, I have been expecting this to happen sooner than later. Considering the volume of people who receive this Newsletter each month and the relatively few requests I receive in a year from people asking to be removed from the distribution list, I assume that you find this Newsletter interesting. If you do, then I also assume that you are spending a good amount of time each month on the Internet. I also assume that you look at other websites other than those included in the Newsletter. If all of those assumptions are correct, then it should be fairly simple for some of you to send along a link or two to websites that you find interesting that you also think would be of interest to our readers. It's quick, easy and painless to do. So why not set a goal for yourself to send me a message with just one link in it, that being the one single website that you personally find the most interesting or useful to you, regardless of the content. There's a challenge to all of you.

Sheldon Harvey, Greenfield Park, Quebec
Jerry Proc, Toronto, Ontario

THE MONTHLY SPECIAL ZONE

WORLD PRESS FREEDOM DAY

http://www.unesco.org/new/en/unesco/events/prizes-and-celebrations/celebrations/international-days/world-press-freedom-day/homepage/

Every year, May 3rd is a date which celebrates the fundamental principles of press freedom; to evaluate press freedom around the world, to defend the media from attacks on their independence and to pay tribute to journalists who have lost their lives in the exercise of their profession.

WIKIPEDIA: CINCO DE MAYO

http://en.wikipedia.org/wiki/Cinco_de_Mayo

Wikipedia's details on Cinco de Mayo

ARMED FORCES DAY

http://www.defense.gov/afd/history.aspx

This is the history of Armed Forces Day in the U.S. from the U.S. Department of Defense webpage.

INTERNATIONAL DAY FOR BIOLOGICAL DIVERSITY

http://www.cbd.int/idb/2013/

This is the Convention on Biological Diversity's webpage on the day's events and theme for 2013

NATIONAL MARITIME DAY

http://www.nationalmaritimeday.org/index.htm

The United States Merchant Marine has met our country's economic and security needs, in wartime and in peace. On National Maritime Day, we honor merchant mariners for their dedication to promoting commerce and protecting our freedom.

UNITED NATIONS INTERNATIONAL PEACEKEEPERS' DAY

http://www.un.org/en/peacekeeping/operations/pkday.shtml
The day has two purposes: to honour the memory of the UN peacekeepers who have lost their lives in the cause of peace; and to pay tribute to all the men and women who have served and continue to serve in UN peacekeeping operations for their high level of professionalism, dedication and courage.

INTERNATIONAL MIGRATORY BIRD DAY

http://www.birdday.org/birdday

IMBD celebrates and brings attention to one of the most important and spectacular events in the Americas - bird migration. Bird Day is celebrated in Canada, the United States, Mexico, Central and South America, and the Caribbean.

THE MAY ZONE

Each month we feature the monthly page from Wikipedia, the free, on-line encyclopedia. The page features an overview of the month, plus background and general information on the month itself. The actual monthly calendar, clickable day by day, gives a list of special events in history, famous birthdays, anniversaries, etc. for each day. Here is the link for the month of May.

http://en.wikipedia.org/wiki/May

Also, here are some special days and events in May.

MONTHLY CELEBRATIONS

ALS Awareness Month
Arthritis Awareness Month
Clean Air Month
Motorcycle Safety Month
National High Blood Pressure Education Month
National Stroke Awareness Month

WEEKLY CELEBRATIONS

5 11 National Pet Week
12 18 National Police Week

SPECIAL DAYS

2 Labor Day
3 United Nations: World Press Freedom Day
5 México: Cinco de Mayo
12 Mother's Day
15 United Nations: International Day of Families
18 Armed Forces Day
22 International Day for Biological Diversity 2013
22 National Maritime Day
25 National Missing Children's Day
27 Memorial Day
29 United Nations: International Day of United Nations Peacekeepers
31 United Nations: World noTobacco Day

ON THE LIGHTER SIDE

5 11 Be Kind to Animals Week
5 11 National Hug Holiday Week
11 International Migratory Bird Day

VIA

http://ucanr.edu/sites/Spanish/Calendario/May_2011/

RADIO H.F. PUBLICITY ZONE #1

NEW FROM ALINCO

DJ-G29T THE FIRST 222/902MHz Dual-band HT!

Alinco has responded to your requests to make a user-friendly handheld for two of the fastest growing amateur radio bands in Americas. Ergonomically designed, this great new 222/902 dual band HT is the newest addition to the Alinco family of high quality transceivers. You can start making contacts right away with this pocket size wonder that combines leading edge technology with simple operation. Enjoy a full 5 watts of power on the 222MHz band and 2.5 watts on the 902MHz side complete with the crisp, clean audio you've come to expect from

Alinco.

For complete details, features, specifications and accessories for the new DJ-G29T handheld dual-band radio, please visit the following page

http://www.alinco.com/Products/DJ-G29/

Contact Radio HF for pricing and availability of this and other products from Alinco.

WHERE IN THE WORLD ZONE
THIS MONTH BULGARIA

C.I.A. WORLD FACTBOOK BULGARIA

https://www.cia.gov/library/publications/the-world-factbook/geos/bu.html

WIKIPEDIA BULGARIA

http://en.wikipedia.org/wiki/Bulgaria

THE OFFICIAL WEBSITE OF THE GOVERNMENT OF BULGARIA

http://www.government.bg/fce/index.shtml?s=001&p=0023

WEBSITE OF THE PRESIDENT OF BULGARIA

http://www.president.bg/?lang=en

This is the President's official webpage, available in both Bulgarian and in English.

DISCOVER YOUR BULGARIA BULGARIAN TOURISM

http://www.bulgarian-tourism.com/new/index.htm

This is a site about travel and tourism in Bulgaria.

NOVINITE SOFIA NEWS AGENCY

http://www.novinite.com/

The webpage of the Sofia News Agency

RADIO STATION WORLD BULGARIA

http://radiostationworld.com/Locations/Bulgaria/

This is a listing of radio services in the country.

BNR BULGARIAN NATIONAL RADIO

http://bnr.bg/sites/en/Pages/default.aspx

The website of the national radio broadcaster of Bulgaria.

ONLINE NEWSPAPERS BULGARIA

http://www.onlinenewspapers.com/bulgaria.htm

This is a listing of newspapers in the country

THE RADIO ZONE

DAYTON HAMVENTION 2013

http://www.hamvention.org/

VIA Sheldon Harvey, Greenfield Park, Quebec

Close to 25,000 radio amateurs visited the annual event in 2012. This year's event will be held from May 17 to 19 at the Hara Arena in Dayton, Ohio. This page provides you with all the details of this year's event.

ON THE RADIO

http://www.ontheradio.net/

VIA Sheldon Harvey, Greenfield Park, Quebec

This site's primary purpose is to help you find detailed information about advertisers whose ads you heard on the radio. The site also provides information on radio stations, Internet stations and plans to have information on songs in the future.

RADIO STATIONS.COM

http://radiostations.com/

VIA Sheldon Harvey, Greenfield Park, Quebec

On RadioStations.com you can
Browse AM & FM Radio Stations by City and State or Zip
Browse Sirius Satellite Radio Station listing
Browse XM Satellite Radio Station listing
You can also:
See what is playing in real time and participate
Rate and discuss Artists, Songs, and Radio Stations
Listen to Radio Stations free on the Internet
Join the discussion in our forums

RADIO BROADCAST

http://radiobroadcast.homestead.com/1.html

VIA Sheldon Harvey, Greenfield Park, Quebec

On this site Veterans of the radio business expose the unscrupulous practices of the industry. The site says "The General public has NO IDEA what is going on in the radio industry. Get ready.....We are going to tell it like it is! The site is new...and we are adding new things daily."

THE RADIO CLUB OF AMERICA

http://www.radioclubofamerica.org/

VIA Sheldon Harvey, Greenfield Park, Quebec

The Radio Club is the oldest, most prestigious assembly of radio communications professionals in America. Its members are dedicated to the wireless art and the betterment of safety, entertainment, and the uniting of people through innovation and technical advancement.

UNIVERSITY OF FLORIDA RADIO OBSERVATORY ONLINE

http://ufro1.astro.ufl.edu/

VIA Sheldon Harvey, Greenfield Park, Quebec

UFRO Online is a project that brings the radio emissions (including sounds) of Jupiter and the Sun to students, teachers, and the general public via the University of Florida's Radio Observatory on the Internet. It is a part of the Radio JOVE project which involves the participation of secondary school students in the collection and analysis of the observations of the natural radio emission from the planet Jupiter and the Sun. The project is a joint effort of NASA's Space Science Data Operations Office, the University of Florida Astronomy Department, and the Florida Space Grant Consortium.

NATIONAL INSULATOR ASSOCIATION

http://www.nia.org/

VIA Sheldon Harvey, Greenfield Park, Quebec

People really are pack-rats, aren't they? This website is dedicated to insulator collectors and is intended to support the National Insulator Association members with an on-line presence. It is also a repository of historical information on Insulators as well as information on past NIA sponsored shows.
The National Insulator Association is an international organization of collectors and friends interested in communication and electrical insulators, as well as other artifacts connected with insulators, such as telephone, telegraph, power transmission, railroads, and lightning protection devices. In all, the NIA has had more than 5900 total members.

RADIO H.F. BOOK REVIEW ZONE

EDITOR: T. J. "Skip" Arey

Radio Science for the Radio Amatuer
By Eric P. Nichols, KL7AJ
ISBN: 978-0-87259-338-1
Published by The American Radio Relay League
PRICE $27.95 Canadian or U.S.
ARRL Order # 3281
ARRL
225 Main Street
Newington, CT, 06111-1494 USA
Tel:1-860-594-0200 Fax:1-860-594-0259
hq@...

I want to start out by saying that the ARRL has really upped its game in terms of book publication. While they have always had a great history of publishing introductory and basic "How TO' books for the ham, they have always had a few great intermediate and advanced Technical books in their catalog as well. Recently, they have added several of these more advance studies and I will be sharing my thoughts over the next month or so.
It can seem that there is nothing new under the sun when it comes to the radio art. The truth is there are still a great many things to be discovered about radio phenomena and investigating these things are well within the range of the skills and abilities of any dedicated ham. Remember, it wasn't all that long ago that ALL radio was amateur radio.
The key to going where few hams have gone before is learning the basics of radio science and the systematic processes for conducting such investigations. Eric, KL7AJ writes in an entertaining and informative way, demonstrating that, by following standard methods of scientific inquiry, it is possible for any ham to study and even contribute a broader understanding of the radio art.
The author shows that some very advanced scientific inquiry can be conducted with basic amateur radio equipment. Clear thinking and good record keeping can trump enormous research budgets.
The book not only covers traditionally considered radio phenomena, but delves into less understood matters such as Long Delayed Echoes and Sudden Ionospheric Disturbances. Topics discussed by hams but often without any sound science to support the conversation.
In addition to showing you how to conduct your own experiments, the book introduces the reader to the concept of Distributed Science. This is making use of large numbers of active ham stations, networked to look into a specific problem or idea.
I can assure you that it would be hard to read this book without learning a great many new and fascinating things. Highly recommended!

This book is available direct from ARRL, or from your favourite radio and communications publication supplier.

THE GENERAL ZONE

THE BIG NEWS NETWORK

http://www.bignewsnetwork.com

VIA Sheldon Harvey, Greenfield Park, Quebec

Big News Network.com is a specialist online news service, constantly updating around 400 categories of news on an hourly basis. Our news is collated from our own resources, including our own full time journalists, regular contributors, and contracted wire services; localised sources, World class newspapers, government media, press releases, international and regional TV (cable & free-to-air) networks, radio stations, and official bodies. Big News Network.com was established in 1998. It was re-launched on March 3rd 2003 (the third day, of the third month, of the third year, of the third millennium, an event that won't be repeated for another 1,000 years). Big News Network.com attracts around 90,000 unique visitors a day.

MEDIA CHANNEL

http://www.mediachannel.org/

VIA Sheldon Harvey, Greenfield Park, Quebec

MediaChannel.org is a non-commercial and not-for-profit network of media analysis presented in the public interest.
MediaChannel is focused on the political, cultural, and social impacts of the media, large and small. MediaChannel exists to provide information from diverse perspectives that inspire debate, collaboration, action, and citizen engagement that facilitates a responsible media.

FUTURE OF MUSIC COALITION

http://futureofmusic.org/

VIA Sheldon Harvey, Greenfield Park, Quebec

Future of Music Coalition is a national nonprofit organization that works to ensure a diverse musical culture where artists flourish, are compensated fairly for their work, and where fans can find the music they want. Founded in June 2000 by musicians, artist advocates, technologists and legal experts, Future of Music Coalition works to ensure that musicians have a voice in the issues that affect their livelihood. FMC's activities are rooted in the real-world experiences and ambitions of working musicians, whose perspectives are often overlooked in policy debates. Over the years, FMC has provided an important forum for discussion about issues at the intersection of music, technology, policy and law.

TERRORISM WATCH

http://www.terrorismwatch.org/

VIA Sheldon Harvey, Greenfield Park, Quebec

A hobby that became my research project that turned into my obsession to study and collect the trends and information on Terror incidents, terror places, Terror Victims. This is based on the news online and offline. Based on the belief that awareness can be the prevention of a lot of Social ills. The effort is aimed at spreading this awareness to the community so that more damage could be avoided.

OPERATION ACCUMULATOR

http://jproc.ca/rrp/accumulator.html

VIA Jerry Proc, Toronto, Ontario

Scarcely a week after the D-Day invasion began Canadian ships HAIDA and HURON were involved with Operation Accumulator. This was a diversionary sweep to trick the Germans into believing

that a landing would take place on the western part of the Cherbourg Peninsula. The cornerstone of the ruse was based on the transmission of bogus radio traffic. The details of the sweep are found in this newly minted story.

LANDINGS

http://www.landings.com

VIA Sheldon Harvey, Greenfield Park, Quebec

Landings.com has over 350,000 visitors per month. 80% of Landings' readers are pilots, with half of these being commercial. Landings.com is also frequented by industry personnel and aviation enthusiasts, and airNEWS is monitored by all in the industry. Online since 1994, Landings has been a trusted favorite for the aviation industry.

THE PENLEY RADAR ARCHIVES

http://www.penleyradararchives.org.uk/

VIA Sheldon Harvey, Greenfield Park, Quebec

The Penley Radar Archives is a collection of personal memories, reports, photographs and other documents relating to the early development of radar in the UK in the early 1940s. This section gives some details on how and why they were collected, how to obtain documents, copyright, version numbers etc. The papers, records and personal memories which comprise the Penley Radar Archives were collected after 1988 - over 45 years after the actual events. They are intended to record something of what was achieved when a group of outstanding scientists and engineers worked together to achieve remarkable results, and include personal reminiscences of those times.

EARLY CANADIAN BOTTLE WORKS

http://www.ecbw.ca/

VIA Sheldon Harvey, Greenfield Park, Quebec

Welcome to the Early Canadian Bottle Works, my name is Darren Spindler, I am a bottle digger, collector and part-time researcher. I started collecting bottles around 1994 after finding several 1940's to 1960's sodas along the many hiking trails that I often trekked. Since then I have gained experience in locating sites and have found and added to my collection some rare and early Canadian bottles. I have lived in Brampton, Ontario since 1971 and consider it my hometown. It wasn't until I started finding old Brampton bottles that it spiked my interest in the local business history that helped shape a small town into the city of 452,000 plus people today.

RADIO H.F. PUBLICITY ZONE #3

What is new in books & publications from the American Radio Relay League, the Radio Society of Great Britain, and other publishers?

ARRL Repeater Directory (Desktop Edition)
The best directory of frequencies for the 21,800+ repeaters around the country! Includes D-Star and APCO-25, references for operating practices, emergency message handling, tips for handling interference, guidelines for severe weather reporting to SKYWARN/National Weather Service and more.
Spiral Bound Desktop Edition lays flat!
Handy indexing tabs on the cover
Easy-to-read listings
Key to ""Repeater Notes"" located right up front
Icons to identify ""Open"" or limited access repeater systems.
ALWAYS UPDATED with the latest listings each year!
Choose the Spiral Bound Desktop Edition, or the traditional Pocket-sized book...or BOTH! The

best directory of frequencies for the thousands of repeaters around the country. An important tool every ham should have!
Product Details
Softcover: 640 pages
Publisher: The American Radio Relay League, Inc.;
2013-2014 Edition/First Printing (March 2013)
ISBN: 978-0-87259-260-5 Order #2605
Price: $15.95 Canadian or U.S.

ARRL Repeater Directory (Pocket-sized Edition)
ISBN: 978-0-87259-257-5 - Order No.: 2575
Price: $10.95 Canadian or U.S.

ARRL's Hands-On Radio Experiments Volume 2
By H. Ward Silver, N0AX
QST's monthly "Hands-On Radio" column, written by Ward Silver, N0AX, is one of the most-read sections of the magazine. Wireless technology continues to develop rapidly and radio experimenters are eager to discover what makes their radios work. As long as we keep putting our hands on radios, there will be techniques to learn and circuits and components to try. ARRL's Hands-On Radio Experiments Volume 2 gathers all of the columns over the past five years, from 2008 through 2012. Once again, Silver expertly leads you through 60 short electronics experiments, designed to increase your understanding of basic radio fundamentals, components, circuits and design:
Electronic Fundamentals
Simulation
Antennas and Transmission Lines
Electronic Circuits and Components
RF Techniques
Practical Construction
Includes a complete parts list from all experiments in Volumes 1 and 2!
Product Details
Softcover: 144 pages
Publisher: The American Radio Relay League, Inc.;
First Printing (March 2013)
ISBN: 978-0-87259-341-1 - Order No.: 3411
Price $22.95 Canadian or U.S.

Morse Code Operating for Amateur Radio
By Rob Brownstein, K6RB and Jim Talens, N3JT
Tune in to the low end of any HF band, and you'll find it populated with ham radio operators using Morse code for casual conversations, chasing DX or fast paced contests. They enjoy practicing a skill that they worked hard to obtaina skill not everyone has. You can learn that skill too. If you are new to Amateur Radio or high frequency (HF) operation, or even if you've been operating HF phone and RTTY but were reluctant to try learning and using Morse code, this book is especially for you.
Morse Code Operating for Amateur Radio is your introduction into the fascinating world of radio communication by Morse code, now simply called "CW". It discusses how to get started in the hobby, the advantages to learning and using Morse code, how to set up your station for CW and how to adjust your Morse code key. Learn the protocols and techniques unique to CW operating and gain the confidence to try out your new skills on the air!
Includes:
Why CW?
Learning Basic Morse
How to Operate CW
How to Set Up a CW Station
More Fun with CW
Morse and Radio: A Long History
CW Today

Product Details
Softcover: 80 pages
Publisher: The American Radio Relay League, Inc.;
First Edition/Printing (March 2013)
ISBN: 978-0-87259-002-4 Order No. 0004
Price: $15.95 Canadian or U.S.

Ham Radio for Arduino and PICAXE
Where Ham Radio Meets Open-Source Electronics
Edited by Leigh L. Klotz, Jr, WA5ZNU
Microcontroller technology has exploded in popularity among ham radio operators. The new generation of single-board microcontrollers is easier than ever to use, bringing together hardware and software for project-building radio amateurs can easily dive into. With inexpensive microcontroller platformssuch as the popular open-source Arduino boardreadily available parts, components and accessory boards, the possibilities are limitless: beacon transmitters, keyers, antenna position control, RTTY and digital mode decoders, waterfall displays, and more.
Editor Leigh L. Klotz, Jr, WA5ZNU has assembled this first edition of Ham Radio for Arduino and PICAXE to help introduce you to the fun and rewards of experimenting with microcontrollers. Klotz and many other contributors have designed projects that will enhance your ham radio station and operating capabilities. Or, take it to the next step, using these projects as a launch pad for creating your own projects.
Projects:
APRS Data Logger
QRSS Beacon
Multimode Transmitter Shield
High Voltage, High Frequency, and High Temperature Data Logger
Receive-Only, Low-Power APRS iGate
PICAXE Keyer and CW Beacon Keyer
Solar Tracker
Nanokeyer
Handheld Radio Talk Timer
APRS Messenger
DTMF Controlled SSTV Camera
APRS Display
Waterfall
SWR Scanner
and more projects using the Arduino, PICAXE, and ATtiny microcontrollers
Product Details
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Price: $29.95 Canadian or U.S.

Radio Science for the Radio Amateur
By Eric P. Nichols, KL7AJ
You can contribute to big science as a radio amateur! Regardless of your experience and resources, as a ham radio operator you have what it takes to make a meaningful contribution to science and technology. You have a window into the universe not available to most people--as every physical phenomenon, from the galactic to the microscopic, interacts with radio in some manner. Radio Science for the Radio Amateur will lead you to horizons of scientific exploration and discovery.
Radio Science for the Radio Amateur explores and explains the often profound differences between science and technology, and dispels the notion that we know all there is to know about radio. Using a fresh, playful approach, Author Eric Nichols, KL7AJ, will guide you through some of the most fascinating "nooks and crannies" of the radio universe. Along the way, you'll

find out how solving long-standing mysteries of radio, of which there are still many, doesn't require expensive hardware, but merely a scientific mindset and attention to detail.
Includes:
Review of the Scientific Method
Fundamentals of Plasma Physics as these apply to radio propagation
Weird phenomena such as Long Delayed Echoes (LDEs), Parametrically Amplified Radio Events (PARES),
Sudden Ionospheric Disturbances (SIDs), and Stimulated Electromagnetic Emission (SEE)
Amateur Radio detection of High Energy Particles
Using your computer sound card for data acquisition
Synthetic Aperture and other distributed methods for the radio amateur
Using APRS for Radio Science
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ISBN: 978-0-87259-338-1 Order Number: 3381
Price: $24.95 Canadian or U.S.

Please visit the Radio HF webpage at
http://www.radiohf.ca/publications.htm for a complete catalog of all books, publications and CD-Roms available from the ARRL, RSGB and other popular publishers and authors.

THE FUN & SERVICES ZONE

THE PAPERWEIGHT COLLECTORS ASSOCIATION

http://www.paperweight.org/

VIA Sheldon Harvey, Greenfield Park, Quebec

The Paperweight Collectors Association, Inc. (PCA, Inc) is a non-profit organization dedicated to appreciating and collecting glass paperweights. For a half-century, the PCA, Inc has championed the study and collecting of antique, vintage, and contemporary glass paperweights. The mission of the PCA, Inc is to promote education: to increase knowledge about paperweights, their creators, and the astounding glass medium from which they are created.

THE IRONIC TIMES

http://www.ironictimes.com/

VIA Sheldon Harvey, Greenfield Park, Quebec

The Ironic Times is a weekly satirical online newspaper, now in its 13th year. Take everything you read here with a whole shaker full of salt!

TV OBSCURITIES

http://www.tvobscurities.com/

VIA Sheldon Harvey, Greenfield Park, Quebec

From the webmaster: "My mission here at Television Obscurities is to help secure the history of broadcast television in the United States of America, from its humble beginnings in the 1940s through the present day. So much of the early history of television has been forgotten, misplaced or ignored. I am dedicated to keeping obscure television from fading away forever. To that end, I independently maintain a collection of rare and forgotten television programs and specials, spanning decades. And I'm proud to present in-depth articles on a variety of topics, aided by audio and video files, photographs and memories from readers."

METROBITS

http://www.mic-ro.com/metro/

VIA Sheldon Harvey, Greenfield Park, Quebec

Metro, Subway, MRT, Rapid Transit, U-Bahn, Metrorail whatever you like to call it, here's a creative global resource for it. Metrobits.org is a non-profit database, a virtual grid of thousands of chunks of data, to a good deal contributed by users and always backed by reliable sources. There are two key categories:
-articles (menu on the left) compare the world's metros in respect of their various features.
-city pages (menu on the right) list the details of each metro.

THE LIST OF BESTS

http://www.listsofbests.com/

VIA Sheldon Harvey, Greenfield Park, Quebec

The Lists of Bests is a place where you can create a list of your favorite products, places, people, goals, food, etc. You can mark off your progress on an existing list and compare your progress on a list with someone else. The categories include books, music, movies, places, people and more.

THE 2013 HAMFEST/FLEAMARKET ZONE

Each month we list upcoming events, including hamfests, predominantly in Canada. NOTE: All times quoted are local. This list is compiled by Radio Amateurs of Canada, and other sources.

Friday May 3 and Saturday May 4, 2013
New England Amateur Radio Festival (NEAR-Fest XIII)
New England Amateur Radio Festival, Inc.
Location: The Deerfield Fairground, Deerfield, NH on Route 43 approximately 15 miles NE of Manchester NH.
GPS coordinates: N42d 5m 57.4" W71d 14m 33.5s (Lat 43.099286 Lon -71.242663).
Times: Gates open at 9:00 AM Friday for sellers and buyers.
Cost: $10.00 per person and $10.00 per vehicle into the flea market.
Talk-in: K1JEK/RPT 146.700 MHz (-600 PL 88.5) 146.52 direct 3.885 MHz Tune your car radio to FM 95.1 or AM 650 for continuous hamfest news and entertainment.
Email: W1RC@...
Webpage: http://www.near-fest.com/

Sunday, May 5, 2013
Maple Ridge Swap Meet
Maple Ridge Amateur Radio Club
Location: Old REC Building, 12460 Harris Rd, Pitt Meadows BC
Times: Vendors at 7:30AM; public at 9:AM
Cost: Tables $20.00 Includes 1 entry and chance to win a radio
Entry $4.00 Includes chance to win a radio.
Talk-in: 146.800 -600 + Tone 156.7
Info: Nick 604 465-9476
Email: ve7te@...
Webpage: http://www.mrarc.net

Saturday, May 11, 2013
Rideau Lakes Amateur Radio Club's 29th Smiths Falls Flea Market
Rideau Lakes Amateur Radio Club inc.
Location: Smiths Falls Curling and Squash Club, Old Sly's Road, Smiths Falls, ON
Times: Vendors: 7:00 am; Public: 9:00 am
Admission: $5.00 (includes a door prize ticket)
Tables: $10.00

Talk-in: VE3RLR on 147.21 MHz+
Email: ve3rlr@...
Webpage: http://ve3rlr.dyndns.org
RADIO HF WILL BE THERE

Sunday, June 2, 2013
Central Ontario Hamfest & Fleamarket
Sponsor: Guelph ARC & Kitchener-Waterloo ARC
Location: Waterloo Regional Police Association Recreation Centre
R.R. 2, 1128 Rife Rd. North Dumfries Township
Location: 43.344939, -80.418376
Times: Vendors 7 am, Public 9 am
Admission $7 (under 12 free)
Talk-in frequency: VE3KSR 146.970 (-) tone 131.8 and 146.520 when you're nearby
Email: info@...
Webpage: http://www.hamfest.on.ca

Sunday, June 2, 2013
Quebec Provincial Hamfest
Sponsor: Sorel-Tracy ARC
Location: GPS : 46.2.40N 73.6.28W
Colisée Cardin de Sorel-Tracy, 200, rue Victoria, Sorel-Tracy (Québec) J3P 7K1
Times: Exhibitors 6:00 am; General admission 9:00 am
Early bird admission 6:00 am
Cost: Table 15$ include one admission
General admission 8$
Talk-in frequency: 145.370MHZ- T 103.5 446.25000MHz -5.000 DSTAR
Info: Luc Leblanc VE2DWE, P.O. BOX. 533 Sorel-Tracy (Quebec)
CANADA J3P 5N9
Telephone: 450 743-8676
Email: ve2cbs@...
Webpage: http://www.hamfest.qc.ca
RADIO HF WILL BE THERE

Saturday, June 8, 2013
London Vintage Radio Club Flea Market
Sponsor: London Vintage Radio Club
Location: Hammond Manufacturing east side parking lot, 394 Edinburgh Rd. North, Guelph (at corner of Speedvale and Edinburgh)
Times: 7 AM for public and vendors alike.
Cost: $10.00 for vendors, no charge to public
Talk-in frequency: n/a
Email: larry.asp@...
Webpage: http://lvrc.homestead.com/fleamarket.html

RADIO H.F. PUBLICITY ZONE #4

RADIO HF GIFT CERTIFICATES

Gift certificates are a great idea if you're not sure what that special person is looking for. Radio HF is offering gift certificates available in any denomination. Please contact Radio HF for details.

THE RESOURCES ZONE

The following is a listing of clubs, groups, radio broadcasts and other resources that may be of interest to you.

THE CANADIAN INTERNATIONAL DX CLUB (CIDX)

CIDX is Canada's national radio monitoring club, serving radio hobbyists since 1962. Our monthly electronic newsletter, MESSENGER, covers all aspects of the radio monitoring hobby as well as amateur radio coverage.
SPECIAL OFFER: To all Radio HF Internet Newsletter subscribers, a FREE sample of our monthly CIDX electronic newsletter, MESSENGER, (in .PDF format) is available to you for the asking. Just send along an e-mail to cidxclub@..., with a valid return e-mail address and you'll receive your copy. Our May 2013 edition will be issued shortly. Membership, at the low cost of $10 per year, is open to radio hobbyists worldwide. We'd love to have you on-board as a member. Please visit the CIDX web page at http://www.cidx.ca

PRIME TIME SHORTWAVE

Prime Time Shortwave is a listing of English shortwave broadcast that are updated frequently by webmasters Daniel Sampson and by database administrator Ernest Riley. The schedules are constantly updated from various print and internet sources as well as from monitoring by the webmaster and other shortwave listeners and DXers. The shortwave schedules are available by time, country and frequency format. Also, they are available in ASCII, Dbase and Excel. You will also find links to some of the best radio related websites and to the international broadcasters and time conversion charts (some provided by Craig Braun). Please visit the Prime Time Shortwave webpage at

http://www.primetimeshortwave.com/

THE INTERNATIONAL RADIO REPORT

The International Radio Report, on CKUT-FM, 90.3 FM in Montreal this month, is available via the Internet live streaming, and on the airwaves of CKUT, Sunday mornings at 10:30 AM Eastern (1430 UTC). The show's co-hosts, Sheldon Harvey & David Asselin, present a weekly half-hour of news, information and developments in radio broadcasting. The show celebrated its 25th year on the air in November 2012.

Visit the CKUT web page for full CKUT programming details.

http://www.ckut.ca

You can check us out on Facebook as well at https://www.facebook.com/groups/188158277887350/

You may also listen to archived editions of the programme through the CKUT web site. Send your comments or questions to the International Radio Report, by e-mail, to radioreport@...

That is all for this month. Radio H.F. is a mail order, telephone and on line business, with great products, great prices, and personalized service, serving the radio community since 1995. Be sure to visit the Radio H.F. web site at

http://www.radiohf.ca

Please feel free to submit any information for the Newsletter by e-mail to hfnewsletter@....

CONTACT RADIO H.F. AT:

RADIO H.F.

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HOURS OF OPERATION:

Monday to Saturday, 10 AM to 5 PM (Eastern)
CLOSED Sunday

Best wishes and 73 from

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